

**United States Environmental Protection Agency  
EPA New England  
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February 10, 2006

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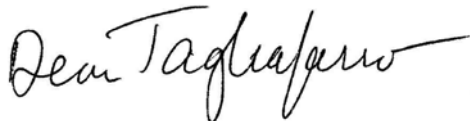
RE: January Monthly Report  
1.5 Mile Reach Removal Action  
GE-Pittsfield/Housatonic River Site

Enclosed please find the January 2006 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.

Sincerely,



Dean Tagliaferro  
1.5 Mile Reach Removal Action Project Manager

## **1. Overview**

During January 2006, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The work included the installation of the centerline sheetpile wall for Cell 41/42. Also, the sheetpile cutoff walls for Cells 39S, 39 and 42 were installed. Next, the excavation activities in Cells 39S, 39 and 42 were completed. Cell 39S backfilling activities were completed and the Cell 39S upstream sheetpile wall was removed and the removal of the Cell 39S/40S centerline sheetpile wall was initiated. Also, backfilling activities in Cells 39 and 42 were initiated. In addition, transfer of non-TSCA materials from the stockpile management areas to approved off-site facility continued.

## **2. Chronological description of tasks performed**

Refer to Figure 1 (2 maps) for an orientation of the excavation cells and their respective locations.

By the end of December 2005, activities associated with site preparation for the Holiday Shutdown were completed. Also, the floating barge river crossing was removed from the river for the Holiday Shutdown. On December 15, 2005 all construction activities associated with the river remediation stopped due to the Holiday Shutdown. On January 9, 2006 construction activities resumed.

During the month of January, the Cell 39S upstream sheetpile wall was pulled up to grade from the mud line. The installation of the downstream sheetpile cutoff wall was completed and Cell 39S was isolated and ready to be remediated. In addition, the Cell 39 downstream sheetpile cutoff wall was installed and Cell 39 was isolated as well.

Once Cell 39 was isolated the dewatering activities were completed. The water greater than 6-inches in depth was pumped directly back to the river. Once the water depth reached 6-inches, it was pumped to the water treatment system (WTS). Sumps and swales were installed to help in the dewatering process. Once dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 39 and excavation activities in Cell 39 were initiated. The excavated TSCA material was transported to Building 65 stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Area 64D north and Area 64B north. The non-TSCA material not characterized for off-site disposal was transported to Area 64D south and Area 64C north stockpile management areas. (See the attached Table 1 for amount of material excavated during the month of January and Table 2 for the amount of material excavated to date)

The surveyors monitored the excavation activities in Cell 39 to ensure appropriate design excavation depths were achieved.

Also, the installation of the Cell 41/42 centerline sheetpile wall continued. Installation of switches on the Western Massachusetts Electric Company (WMECO) power transmission lines was completed. This allowed a three day shut off of the power lines to ensure safe working conditions during the installation of the centerline sheetpile wall under the power lines. Two barge sections of the temporary floating barge river crossing and a crane mat access ramp were used to build a pad to support an excavator with a movax attachment to install the centerline sheetpile wall beneath the power lines.

It was decided that it would be advantageous to shorten Cell 42 in length and remediate and restore it along with Cell 39. Therefore the Cell 42 downstream sheetpile cutoff wall was installed establishing the cell to be only approximately 125-feet in length. Once the cell was isolated, the dewatering activities were completed. The water greater than 6-inches in depth was pumped directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Next, the Cell 39 downstream/Cell 42 upstream sheetpile cutoff wall was removed and the two cells were combined creating one large cell (Cell 39/42).

The excavation activities in Cells 39 and 42 were interrupted by heavy rain predictions for the weekend of January 13, 2006. All excavation activities were stopped and erosion prevention measures were exercised to secure the Cells 39 and 42 excavated areas from erosion. Poly was installed on the exposed, excavated riverbanks from the top of the riverbank to the toe of the slope. Nine-inch rip rap was placed on the poly at the toe of the riverbank and sheetpile sections were placed on the poly joint overlaps to anchor everything in place. Additional erosion control riprap was placed at the upstream sheetpile wall of Cell 39 and on the unexcavated riverbanks in Cell 42. In addition, all the sheetpile cutoff walls in Cells 39S, 39 and 42 were driven down approximately three feet and the three cells were flooded. This was done to alleviate the damming effect of the walls and minimize the effects of high flows in upstream areas. The activities associated with the installation of the centerline sheetpile wall were also stopped due to the high river flows and the barge/ramp pad was removed from the river.

Heavy rain combined with snow melt led to high river flows on January 14, 2006. Due to the additional rain and snow melt the river remained under high river flow conditions for a week. During this week, several miscellaneous activities were completed. The decontamination of the WTS HDPE force main pipes was completed. Miscellaneous repairs to the silt fencing and site security fencing were completed. The removal of debris from the trash racks from the temporary river diversion dam was completed. The debris was transported to the Area 64E stockpile management area.

Also, activities associated with the installation of a new French drain system on Parcel I7-3-7 were completed. A drain system was built by installing a catch basin and using a 4-inch HDPE pipe which extended from the low lying lawn areas to the riverbank armor to allow the water which accumulates in the low lying areas on the parcel to drain into the river. Two truck loads (approximately 20cy) of soil material were generated during the drain system installation. The material was transported to Area 64B south stockpile management area. The material will be sampled and characterized for offsite disposal. Final grading, seeding and restoration of the lawn area on the parcel will be done in the spring.

In addition, the sheetpile head walls for the temporary floating barge river crossing were removed from the riverbanks of Cells 41 and 42.

Once the river water levels receded, the cutoff walls for Cells 39S, 39 and 42 were pulled up to grade and dewatering activities in Cells 39 and 42 were completed as described above. Next, the excavation activities in Cells 39 and 42 were completed. Since both cells were flooded and at the time were only partially excavated, it was decided that a 2-inch layer of additional material was to be scraped off the riverbed in the already excavated areas in case of a possible re-contamination. The excavated TSCA material was transported to Building 65 stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Area 64D north. The non-TSCA material not characterized for off-site disposal was transported to Area 64D south and Area 64C south stockpile management areas.

Also, the excavation of Cell 39S was completed. The centerline sheets for Cell 39S were driven to embed on top of the sewer siphon structure therefore they were not driven to grade. Due to the high water flow under the sheetpile walls into the cell, it was decided that dewatering of the cell could not be accomplished. Therefore the cell was excavated “in the wet”. A small section of the floodplain in Cell 39S adjacent to the top of riverbank where GE anticipates performing subsequent remediation on floodplains was remediated and restored by EPA’s contractors. Since both TSCA and non-TSCA material was present in Cell 38S and the excavation was done “in the wet”, there was no way of segregating the TSCA from the non-TSCA material. Therefore all material excavated from Cell 39S was classified as TSCA. The excavated material was placed into a double roll off box to allow the material to decant and then transported to Building 65 stockpile management area.

The surveyors monitored the excavation activities in Cells 39, 42 and 39S to ensure appropriate design excavation depths were achieved.

Once the excavation activities were completed, the final excavation verification survey was performed, backfill grade stakes were installed and backfilling activities were initiated.

First, Cell 39S was backfilled. The backfilling activities were performed in “in the wet”. The riverbed in Cell 39S did not require a common fill layer. A layer of common fill was only to be placed in areas that were over excavated, such as sumps and trenches. However, filter material type I was used instead of common fill to bring the riverbed up to grade because backfilling was done “in the wet”. Next a ten-inch layer of filter material type I and a fifteen-inch layer of 9-inch riprap were placed. The riverbanks were backfilled with common fill to the design grade, a nine-inch layer of filter material type I and a twenty four-inch layer of 18-inch riprap up to approximately elevations 966.0 feet and 966.5 above mean sea level (AMSL). In Cell 39S, riprap was placed all the way up to the sewer siphon structure which is located beyond elevation 966.5 feet AMSL.

Since riprap in Cell 39S was placed all the way up to the sewer siphon structure, no additional backfilling was required.

Next, a ramp was build along the riverbank in Cells 39 and 42 to allow access to the cells for backfilling. The ramp was built by using common fill.

The riverbed and riverbanks of Cells 39 and 42 were backfilled as follows: The first 175 feet of the Cell 39 riverbed was to be backfilled with common fill to bring the riverbed to the design grade. However due to the significant ground water infiltration, 9-inch riprap and filter material type I was used instead of common fill. Next, a ten-inch layer of filter material type I, and a fifteen-inch layer of 9-inch riprap were placed. The last 50 feet of the Cell 39 riverbed and the entire Cell 42 riverbed did not require common fill. However due to the significant ground water infiltration, 9-inch riprap was placed and worked into the riverbed to provide a stable base for the six-inch layer of filter material type III which was placed next. Then, a ten-inch layer of filter material type I, and a fourteen-inch layer of 9-inch riprap were installed. The first 175 feet of the Cell 39 riverbanks were to be backfilled with common fill to the design grade. Once, again due to the significant ground water infiltration and extremely wet conditions 9-inch and 12-inch riprap were placed first to create a stable base for the common fill. Then a layer of the common fill was placed to bring the riverbanks to the design grade. Next, a ten-inch layer of filter material type I and a twenty four-inch layer of 18-inch riprap were placed up to elevation 965.5 feet AMSL. The last 50 feet of the Cell 39 riverbanks and the entire Cell 42 riverbank were to be backfilled with common fill to the design grade, again a layer of 9-inch and 18-inch riprap had to be placed first to create a stable base for the common fill. Then, a ten-inch layer of filter material type III, followed by a six-inch layer of filter material type I and an eighteen-inch layer of 12-inch riprap were placed up to elevation 965.0 feet AMSL.

The riverbanks beyond elevations 965.0 and 965.5 feet AMSL are to be backfilled with common fill to within 6-inches of final grade. The common fill will be installed in twelve-inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets will be placed.

By the end of January backfilling was approximately 50% complete in Cells 39 and 42.

The surveyors monitored the backfilling activities in Cells 39S, 39 and 42 to ensure appropriate design backfill grades were achieved. Final restoration verification survey was completed in Cell 39S and as backfilling activities were completed in portions of Cell 39 and 42, the final restoration verification survey was initiated.

Once the final restoration verification survey was completed and approved in Cell 39S the upstream sheetpile cutoff wall in Cell 39S was removed and the removal of the Cell 39S/40S centerline sheetpile wall was initiated.

Other activities during the month of January included the extension of the access roads on the east side of the river and the widening of the access roads on the west side of the river. Filter stone was used in all the modifications to the roads. The installation of a green vinyl fence along Caledonia Street was completed.

The transportation of additional 54-inch HDPE river diversion pipe to the offsite recycling facility was initiated.

Also, the removal of the Cell 37A/38A centerline sheetpile wall was completed.

A post 1,500 cubic feet per second (cfs) flow erosion inspection was completed and no erosion was observed.

In addition, activities associated with the demolition of the temporary river diversion dam were initiated. The erosion control boulders located on the river bottom directly downstream of the dam were removed. The stop logs, winches, and tools were removed from the dam and relocated to the Lyman Street parking lot staging area. Silt curtains and the oil boom were installed in the river channel prior to any in river construction activities. Installation of an access ramp to the riverbed and the equipment pad needed for the demolition activities was completed.

During the month of January, the WTS operations continued. The WTS treated water from Cells 39 and 42. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on January 12, 2006. Air monitoring for particulate matter (PM10 sampling), noise monitoring and surface water turbidity monitoring were performed on a daily basis during the month of January. Surface water sampling for total suspended solids (TSS) and PCBs was performed on January 11, 2006 and January 25, 2006. The monthly PCB air-monitoring event was performed on January 14, 2006. Thirty six decontaminated equipment confirmatory wipe samples were collected in January 2006. Six eight-point composite post excavation off-site disposal characterization samples were collected on January 17, 2006, January 20, 2006 and January 27, 2006 from the riverbed and riverbank materials excavated from Cells 39 and 42 (stockpiled in Area 64B, Area 64C and Area 64D).

The non-TSCA materials from the Area 64D, Area 64B and Area 64C stockpile management areas were transported to the Waste Management of New Hampshire-TREE, Rochester, N.H. from January 16, 2006 to January 30, 2006. (See Table 4 for a summary of material transported to the Waste Management of New Hampshire-TREE, Rochester, N.H. during the month of January 2006).

Vibration monitoring activities were completed in Phase 3C on structures located within 200-foot radius of the activities associated with sheetpile installation and on two properties in the Transition Phase during the demolition activities of the temporary river diversion dam.

Stockpile management area activities continued throughout the month of January. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68.

Traffic control was conducted on Lyman Street, Elm Street, Deming Street and Pomeroy Avenue during the month of January.

### **3. Sampling/test results received**

Table 5 contains a summary of the PCB samples collected for the water treatment system sampling program on January 12, 2006. Table 5a contains the non-PCB sample results associated with the January 12, 2006 water treatment system sample. The results of the daily

particulate air monitoring program are summarized in Table 6. Results for the daily noise monitoring are provided in Table 7. Table 8 is a summary of daily turbidity monitoring results. Summary of PCB and TSS samples and water column monitoring data collected on December 07, 2005, January 11, 2006 and January 25, 2006 are presented in Table 9. The PCB air sample results for sampling conducted on January 14, 2006 are provided in Table 10. Table 11 contains results for the decontaminated equipment confirmation wipe samples. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cell 39 and 42 (stockpiled in Area 64B, Area 64C and Area 64D) are summarized in Table 12.

#### **4. Diagrams associated with the tasks performed**

Figure 1 (2 maps) includes the layout of all excavation cells, the temporary dam, water monitoring locations, air sampling locations, vibration monitoring locations, access road locations, excavation load-out locations, staging area locations, fence line location, and the new and the old water treatment system pad locations.

#### **5. Reports received and prepared**

During the month of January 2006, Weston received a vibration monitoring summary report for the month of December 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3C to monitor structures on several properties within a 200-foot radius of the sheetpile installation activities and the sewer siphon structure located at the Fred Garner Park. The following properties were monitored: Parcels I6-1-69; I6-1-68; I6-1-67; I6-1-66 and H7-4-11. All units were set up to collect data on the continuous seismic mode. Activities occurring near the monitoring locations during this period included normal background activities, the installation of sheetpile walls, and general construction activities. All of the ground vibrations measured were less than the action level in the project specifications of 1.0 PPV (for structures with concrete foundations) except for one exceedance on the sewer siphon structure located at the Fred Garner Park on December 10, 2005. The exceedance was a single one-minute interval and it was Vibra-Tech's opinion that no action be taken. The exceedances were almost certainly caused by accidental human interference with the geophone.

During the month of January 2006, vibration monitoring was completed on the sewer siphon structure located at the Fred Garner Park and the sewer siphon structure located on the east riverbank at the confluence of the east and the west branches of the Housatonic River. In addition vibration monitoring was initiated during the demolition activities of the temporary river diversion dam. Two properties were monitored, the Laundromat building located on Parcel I8-23-6 and the building located on Parcel I8-24-5. However the report for January 2006 has not yet been received.

## **6. Photo documentation of activities performed**

See attached photos.

## **7. Brief description of work to be performed in February 2006**

- Complete backfilling activities in Cells 39 and 42.
- Remove the upstream cutoff wall for Cell 39 and drive the Cell 42 downstream cutoff wall to mud line.
- Remove the centerline sheetpile wall for Cell 39/40.
- Pull the upstream sheetpile wall to grade from mud line and install the downstream sheetpile wall for Cell 41.
- Initiate and complete excavation and backfilling activities in Cell 41.
- Remove the upstream cutoff wall for Cell 41.
- Remove the centerline sheetpile walls for Cells 41/42.
- Install the downstream cutoff wall for Cell 44.
- Initiate and complete excavation and backfilling activities in Cell 44.
- Remove the upstream and downstream cutoff walls in Cell 44.
- Install sheetpile walls for Cell 45.
- Initiate and complete excavation and backfilling activities in Cell 45.
- Remove sheetpile walls for Cell 45.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64.
- Continue to transfer non-TSCA materials from the stockpile management areas to an approved off-site facility.
- Continue the daily air, noise and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).



- Continue vibration monitoring activities in Phase 3C.

## **8. ATTACHMENTS TO THIS REPORT**

Table 1. Quantity of Bank and Sediment Material Excavated during the Month of January

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 3. Quantity of Material Transferred to OPCAs to Date

Table 4. Quantity of non-TSCA Material Transferred to Waste Management of New Hampshire-TREE, Rochester, N.H. during the month of January

Table 5. NPDES PCB Sampling Results for Water Treatment System

Table 5a. NPDES non-PCB Sampling Results for Water Treatment System

Table 6. Daily Air Monitoring Results

Table 7. Daily Noise Monitoring Results

Table 8. Daily Water Column Turbidity Monitoring Results

Table 9. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 10. PCB Air Sampling Results

Table 11. Equipment Decontamination Confirmation Wipe Sample Results

Table 12. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map (2 maps)

Photodocumentation

**Table 1 - Quantity of Bank and Sediment Material Generated During the Month of January  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	Location	non-TSCA	TSCA	NAPL impacted
<b>Bank Soil and Sediment</b>				
01/11/06	Cell 39	330	30	0
01/12/06	Cell 39	360	10	0
01/13/06	Cell 39	240	50	0
01/24/06	Cell 42	70	0	0
01/25/06	Cell 39&39S	30	40	0
01/26/06	Cell 39&42	350	10	0
01/27/06	Cell 39,39S&42	100	80	0
	<b>Monthly total from bank soil and sediment</b>	<b>1,480</b>	<b>220</b>	<b>0</b>

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck.

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 10/25/04	Cell 20	948	591	196	1,735
09/28/04 to 10/25/04	Cell 21	525	569	0	1,094
09/28/04 to 10/25/04	Cell 22	1,170	686	0	1,856
11/04/04 to 12/01/04	Cell 23^	1,725	189	0	1,914
11/04/04 to 12/02/05	Cell 24^	1,610	247	0	1,857
04/06/05 to 4/13/05	Cell 25^	858	369	0	1,227
04/12/05 to 04/19/05	Cell 25A^	419	127	0	546
04/27/05 to 05/04/05	Cell 26^	2,199	357	0	2,556
05/17/05 to 05/20/06	Cell 28	1,281	187	0	1,468
06/01/05 to 06/03/05	Cell 27	1,062	109	0	1,171
06/14/05 to 06/20/05	Cell 29	1,738	241	0	1,979
07/05/05 to 07/13/05	Cell 32^	1,540	541	0	2,081
07/25/05 to 07/28/05	Cell 30^	1,558	304	0	1,862
08/08/05 to 08/12/05	Cell 31^	1,689	211	0	1,900
08/23/05 to 08/24/05	Cell 33/34	1,289	21	0	1,310
09/09/05 to 09/13/05	Cell 35	997	42	0	1,039
09/22/05 to 09/23/05	Cell 36^	1,661	123	0	1,784
09/29/05 to 10/01/05	Cell 37^	573	51	0	624
10/07/05 to 10/19/05	Cell 38^	1,153	140	0	1,293
11/04/05 to 11/10/05	Cell 38S&38A^	673	270	0	943
11/10/05 to 11/14/05	Cell 40S^	62	59	0	121
11/16/05 to 11/19/05	Cell 37S&37A^	187	1,139	0	1,326
12/06/05 to 12/08/05	Cell 40^	117	1,454	0	1,571

01/11/06 to 01/27/06	Cell 39	57	2,164	0	2,221
01/24/06 to 01/27/06	Cell 42	27	170	0	197
01/25/06 to 01/27/06	Cell 39S	85	491	0	576
<b>Total</b>		<b>60,553</b>	<b>17,625</b>	<b>6,949</b>	<b>85,127</b>

Note:

All quantities determined by pre- and post- excavation surveying.

^ - Excludes material removed from the "GE Floodplain Area"

**Table 3 - Quantity of Material Transferred to OPCAs to Date  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA  
(Results are reported in cubic yards)**

		Approximate Quantity Transported to OPCAs	
Date	Location	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
10/01/04 to 10/14/04	Stockpile Management Area	352 (3)	1,958 (3)
11/01/04 to 11/15/04	Stockpile Management Area	363 (3)	1,342 (3)
12/02/04 to 12/14/04	Stockpile Management Area	176 (3)	847 (3)
04/20/05 to 04/22/05	Stockpile Management Area *	0	482 (3)
05/05/05 to 05/23/05	Stockpile Management Area **	0	1,067 (3)
6/27/05	Stockpile Management Area	0	154 (3)
07/07/05 to 07/29/05	Stockpile Management Area***	0	1,807 (3)
08/01/05 to 08/22/05	Stockpile Management Area****	0	1,445 (3)
10/03/05 to 10/26/06	Stockpile Management Area*****	0	1,177(3)
11/10/05 to 11/14/05	Stockpile Management Area*****	0	426(3)
12/12/05 to 12/21/06	Stockpile Management Area*****	0	1,185(3)
Project Totals		28,397	20,896

**Notes:**

Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,000cy of material into GE OPCAs.

Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.

\* - Excludes the 104 truck loads (1,168 cy) of the "GE Floodplain Area".

\*\* - Excludes the 29 (319 cy) truck loads of the "GE Floodplain Area".

\*\*\* - Excludes the 20 (217cy) truck loads of the "GE Floodplain Area".

\*\*\*\* - Excludes the 11 (117cy) truck loads of the "GE Floodplain Area".

\*\*\*\*\* - Excludes the 2 (22cy) truck loads of the "GE Floodplain Area".

\*\*\*\*\* - Excludes the 2 (25cy) truck loads of the "GE Floodplain Area".

\*\*\*\*\* - Excludes the 6 (69cy) truck loads of the "GE Floodplain Area".

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 14cy per truck, loaded with excavator.

(2) Estimated at 11cy per truck due to loading out frozen material.

(3) Estimated at 11cy per truck, loaded with front end loader.

(4) Estimated at 8cy per truck

**Table 4 - Quantity of non-TSCA Material Transported to Waste Management of New Hampshire-TREE,  
Rochester, N.H.  
During the Month of January  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

**(Results are reported in tons)**

<b>Date Shipped</b>	<b>Doc. Number</b>	<b>Stockpile Area</b>	<b>Net Weight (Tons) (*)</b>
01/16/06	1131WMNH	Cell 39 Insitu Area 64D north	31.42
01/16/06	1132WMNH	Cell 39 Insitu Area 64D north	30.42
01/16/06	1133WMNH	Cell 39 Insitu Area 64D north	30.59
01/16/06	1134WMNH	Cell 39 Insitu Area 64D north	29.11
01/16/06	1135WMNH	Cell 39 Insitu Area 64D north	30.51
01/16/06	1136WMNH	Cell 39 Insitu Area 64D north	30.05
01/16/06	1137WMNH	Cell 39 Insitu Area 64D north	29.61
01/16/06	1138WMNH	Cell 39 Insitu Area 64D north	29.34
01/16/06	1139WMNH	Cell 39 Insitu Area 64D north	32.53
01/16/06	1140WMNH	Cell 39 Insitu Area 64D north	31.69
01/16/06	1141WMNH	Cell 39 Insitu Area 64D north	31.17
01/17/06	1142WMNH	Cell 39 Insitu Area 64D north	30.13
01/17/06	1143WMNH	Cell 39 Insitu Area 64D north	31.78
01/17/06	1144WMNH	Cell 39 Insitu Area 64D north	32.32
01/17/06	1145WMNH	Cell 39 Insitu Area 64D north	30.03
01/17/06	1146WMNH	Cell 39 Insitu Area 64D north	32.83
01/17/06	1147WMNH	Cell 39 Insitu Area 64D north	31.70
01/17/06	1148WMNH	Cell 39 Insitu Area 64D north	32.98
01/17/06	1149WMNH	Cell 39 Insitu Area 64D north	33.29
01/17/06	1150WMNH	Cell 39 Insitu Area 64D north	33.02
01/17/06	1151WMNH	Cell 39 Insitu Area 64B north	32.08
01/17/06	1152WMNH	Cell 39 Insitu Area 64B north	32.39
01/17/06	1153WMNH	Cell 39 Insitu Area 64B north	32.47
01/18/06	1154WMNH	Cell 39 Insitu Area 64B north	31.37
01/18/06	1155WMNH	Cell 39 Insitu Area 64B north	33.60
01/18/06	1156WMNH	Cell 39 Insitu Area 64B north	32.73
01/18/06	1157WMNH	Cell 39 Insitu Area 64B north	32.04
01/18/06	1158WMNH	Cell 39 Insitu Area 64B north	32.56
01/18/06	1159WMNH	Cell 39 Insitu Area 64B north	32.55
01/24/06	1160WMNH	Cell 39 Area 64D south	32.25
01/24/06	1161WMNH	Cell 39 Area 64D south	31.90
01/24/06	1162WMNH	Cell 39 Area 64D south	34.49
01/24/06	1163WMNH	Cell 39 Area 64D south	33.08
01/24/06	1164WMNH	Cell 39 Area 64D south	32.30
01/24/06	1165WMNH	Cell 39 Area 64D south	32.62

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (*)
01/24/06	1166WMNH	Cell 39 Area 64D south	33.00
01/25/06	1167WMNH	Cell 39 Area 64D south	30.87
01/25/06	1168WMNH	Cell 39 Area 64D south	32.34
01/25/06	1169WMNH	Cell 39 Area 64D south	32.78
01/25/06	1170WMNH	Cell 39 Area 64D south	33.45
01/25/06	1171WMNH	Cell 39 Area 64D south	31.57
01/25/06	1172WMNH	Cell 39 Area 64D south	33.02
01/25/06	1173WMNH	Cell 39 Area 64D south	31.18
01/25/06	1174WMNH	Cell 39 Area 64D south	33.40
01/26/06	1175WMNH	Cell 39 Area 64D south	31.64
01/26/06	1176WMNH	Cell 39 Area 64D south	31.07
01/26/06	1177WMNH	Cell 39 Area 64D south	31.70
01/26/06	1178WMNH	Cell 39 Area 64C north	29.79
01/26/06	1179WMNH	Cell 39 Area 64C north	32.28
01/26/06	1180WMNH	Cell 39 Area 64C north	32.70
01/26/06	1181WMNH	Cell 39 Area 64C north	30.93
01/26/06	1182WMNH	Cell 39 Area 64C north	33.03
01/26/06	1183WMNH	Cell 39 Area 64C north	31.96
01/26/06	1184WMNH	Cell 39 Area 64C north	32.45
01/26/06	1185WMNH	Cell 39 Area 64C north	33.52
01/27/06	1186WMNH	Cell 39 Area 64C north	30.00
01/27/06	1187WMNH	Cell 39 Area 64C north	30.35
01/27/06	1188WMNH	Cell 39 Area 64C north	31.71
01/27/06	1189WMNH	Cell 39 Area 64C north	31.40
01/27/06	1190WMNH	Cell 39 Area 64C north	31.74
01/27/06	1191WMNH	Cell 39 Area 64C north	33.65
01/27/06	1192WMNH	Cell 39 Area 64C north	30.09
01/27/06	1193WMNH	Cell 39 Area 64C north	29.79
01/27/06	1194WMNH	Cell 39 Area 64C north	33.43
01/27/06	1195WMNH	Cell 39 Area 64C north	31.48
01/27/06	1196WMNH	Cell 39 Area 64C north	33.56
01/30/06	1197WMNH	Cell 39 Insitu Area 64D north	30.13
01/30/06	1198WMNH	Cell 39 Insitu Area 64D north	32.47
01/30/06	1199WMNH	Cell 39 Insitu Area 64D north	32.47
01/30/06	1200WMNH	Cell 39 Insitu Area 64D north	32.29
<b>Total of Material Disposed</b>			<b>2,230.19</b>

Notes:

\* - Net weights established onsite during the load out of material.

Net weights from the disposal facility not yet available.



**Table 5- NPDES Sampling Results for Water Treatment System  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-6J12	Influent	12-Jan-06	ND(0.26)	0.51 J	0.58 J	2.2	3.3
H2-WW000002-0-6J12	Intermediate	12-Jan-06	ND(0.026)	ND(0.026)	0.066 J	0.24	0.31
H2-WW000003-0-6J12	Effluent	12-Jan-06	ND(0.013)	0.014 J	0.023 J	0.12	0.16
<b>Action Level</b>	<b>Effluent</b>		<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>

Notes:

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - Sample collected between carbon units which are being operated in series.

1/12/06 - monthly sampling

J - Indicates an estimated value

**Table 5a - NPDES non-PCB Sampling Results for Water Treatment System  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

**(Results are presented in part per billion, ppb)**

Sample ID	H2-WW000001-0-6J12	H2-WW000002-0-6J12	H2-WW000003-0-6J12	NPDES Permit Regulatory Effluent Limits
Sample type	Influent	Intermediate	Effluent	
Date Collected	12-Jan-06	12-Jan-06	12-Jan-06	
Analyte				
APP IX SEMIVOLATILES				
	---	---	---	
APP IX VOLATILES				
	---	---	---	
METALS				
BARIUM	36.0	---	18.9	100
CHROMIUM	7.1	---	ND	100
COPPER	15.8	---	ND	100
LEAD	25.4	---	ND	50
NICKEL	4.0	---	ND	100
VANADIUM	3.6	---	ND	100
ZINC	43.4	---	ND	500

**NOTES:**

Intermediate - sample collected between carbon units which are being operated in series.

Only detected constituents are summarized

ND - not detected

--- not sampled

J - Indicates an estimated value

**Table 6 - Daily Air Monitoring Results  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

<b>Date Collected</b>	<b>Sample Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>
1/1/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/2/2006	Upwind	Shutdown	Shutdown
	Downwind	Shutdown	Shutdown
1/3/2006	Upwind	Shutdown	Shutdown
	Downwind	Shutdown	Shutdown
1/4/2006	Upwind	Shutdown	Shutdown
	Downwind	Shutdown	Shutdown
1/5/2006	Upwind	Shutdown	Shutdown
	Downwind	Shutdown	Shutdown
1/6/2006	Upwind	Shutdown	Shutdown
	Downwind	Shutdown	Shutdown
1/7/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/8/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/9/2006	Upwind	N/A	N/A
	Downwind	N/A	N/A
1/10/2006	Upwind	0.001	6
	Downwind	0.012	6
1/11/2006	Upwind	N/A	N/A
	Downwind	N/A	N/A
1/12/2006	Upwind	--	--
	Downwind	--	--
1/13/2006	Upwind	0.032	7
	Downwind	0.046	7
1/14/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/15/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/16/2006	Upwind	**	**
	Downwind	**	**
1/17/2006	Upwind	0.018	5
	Downwind	0.011	1
1/18/2006	Upwind	--	--
	Downwind	--	--
1/19/2006	Upwind	**	**
	Downwind	**	**
1/20/2006	Upwind	--	--
	Downwind	--	--
1/21/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/22/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/23/2006	Upwind	N/A	N/A
	Downwind	N/A	N/A
1/24/2006	Upwind	0.012	6
	Downwind	0.045	14

Date Collected	Sample Location	Average Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)
1/25/2006	Upwind	N/A	N/A
	Downwind	N/A	N/A
1/26/2006	Upwind	0.001	8
	Downwind	0.008	9
1/27/2006	Upwind	0.036	16
	Downwind	--	--
1/28/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/29/2006	Upwind	weekend	weekend
	Downwind	weekend	weekend
1/30/2006	Upstream	--	--
	Downstream	--	--
1/31/2006	Upwind	N/A	N/A
	Downwind	N/A	N/A
<b>notification level</b>		<b>0.120</b>	
<b>action level</b>		<b>0.150</b>	

Notes:

N/A - Not available due to precipitation forecast > 50%

--- - No reading due to technical difficulties with monitoring equipment

\*\* - Not deployed - minimal site work performed

Monitoring was discontinued on 12/15/05 for the Holiday Shutdown. Construction activities resumed on January 9, 2006.

**Table 7- Daily Noise Monitoring Results  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Date	Noise (dBA)			Average Period (Hours:Min)
	High	Low	Average	
1/1/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/2/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/3/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/4/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/5/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/6/2006	Shutdown	Shutdown	Shutdown	Shutdown
1/7/2006	weekend	weekend	weekend	weekend
1/8/2006	weekend	weekend	weekend	weekend
1/9/2006	N/A	N/A	N/A	N/A
1/10/2006	--	--	--	--
1/11/2006	N/A	N/A	N/A	N/A
1/12/2006	--	--	--	--
1/13/2006	--	--	--	--
1/14/2006	weekend	weekend	weekend	weekend
1/15/2006	weekend	weekend	weekend	weekend
1/16/2006	**	**	**	**
1/17/2006	63.5	52.2	57	0.6
1/18/2006	N/A	N/A	N/A	N/A
1/19/2006	**	**	**	**
1/20/2006	--	--	--	--
1/21/2006	weekend	weekend	weekend	weekend
1/22/2006	weekend	weekend	weekend	weekend
1/23/2006	N/A	N/A	N/A	N/A
1/24/2006	87.5	46.4	58.4	13.4
1/25/2006	N/A	N/A	N/A	N/A
1/26/2006	79.1	54.4	55.9	1.1
1/27/2006	82.3	49.9	58.3	10.0
1/28/2006	weekend	weekend	weekend	weekend
1/29/2006	weekend	weekend	weekend	weekend
1/30/2006	--	--	--	--
1/31/2006	N/A	N/A	N/A	N/A

Notes:

dBA - Decibel

N/A - Not deployed due to weather

--- - No readings due to technical errors

\*\* - Not deployed - minimal site work performed

Monitoring was discontinued on 12/15/05 for the Holiday Shutdown.

Construction activities resumed on January 9, 2006.

**Table 8 - Daily Water Column Turbidity Monitoring Results  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Reading 1	Reading 2	Average	
1/1/2006		Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
1/2/2006		Downstream of Lyman Street Bridge	Shutdown	Shutdown	Shutdown	Shutdown
		Downstream of Holmes Road Bridge	Shutdown	Shutdown	Shutdown	Shutdown
1/3/2006		Downstream of Lyman Street Bridge	Shutdown	Shutdown	Shutdown	Shutdown
		Downstream of Holmes Road Bridge	Shutdown	Shutdown	Shutdown	Shutdown
1/4/2006		Downstream of Lyman Street Bridge	Shutdown	Shutdown	Shutdown	Shutdown
		Downstream of Holmes Road Bridge	Shutdown	Shutdown	Shutdown	Shutdown
1/5/2006		Downstream of Lyman Street Bridge	Shutdown	Shutdown	Shutdown	Shutdown
		Downstream of Holmes Road Bridge	Shutdown	Shutdown	Shutdown	Shutdown
1/6/2006		Downstream of Lyman Street Bridge	Shutdown	Shutdown	Shutdown	Shutdown
		Downstream of Holmes Road Bridge	Shutdown	Shutdown	Shutdown	Shutdown
1/7/2006		Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
1/8/2006		Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
1/9/2006	85	Downstream of Lyman Street Bridge	0.2	3.1	1.7	1.8
		Downstream of Holmes Road Bridge	1.3	2.2	1.8	2.8
1/10/2006	92	Downstream of Lyman Street Bridge	1.8	0.4	1.1	2.5
		Downstream of Holmes Road Bridge	0.9	2.6	1.8	2.7
1/11/2006	112	Downstream of Lyman Street Bridge	0.9	0.7	0.8	2.0
		Downstream of Holmes Road Bridge	2.1	1.5	1.8	2.5
1/12/2006	257	Downstream of Lyman Street Bridge	2.2	1.1	1.7	2.5
		Downstream of Holmes Road Bridge	0.6	1.3	1.0	3.0
1/13/2006	253	Downstream of Lyman Street Bridge	3.8	3.2	3.5	1.8
		Downstream of Holmes Road Bridge	4.5	3.1	3.8	2.5
1/14/2006	533	Downstream of Lyman Street Bridge	weekend	weekend	weekend	2.9
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	3.5
1/15/2006	603	Downstream of Lyman Street Bridge	weekend	weekend	weekend	0.4
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	1.2
1/16/2006	374	Downstream of Lyman Street Bridge	3.3	2.5	2.9	0.3
		Downstream of Holmes Road Bridge	2.6	2.7	2.7	0.7
1/17/2006	252	Downstream of Lyman Street Bridge	1.8	0.9	1.4	0.4
		Downstream of Holmes Road Bridge	2.7	1.1	1.9	1.0
1/18/2006	996	Downstream of Lyman Street Bridge	3.9	5.1	4.5	1.0
		Downstream of Holmes Road Bridge	4.3	5.6	5.0	1.8
1/19/2006	1050	Downstream of Lyman Street Bridge	**	**	**	1.0
		Downstream of Holmes Road Bridge	**	**	**	1.2
1/20/2006	448	Downstream of Lyman Street Bridge	---	---	---	1.6
		Downstream of Holmes Road Bridge	---	---	---	1.9
1/21/2006	348	Downstream of Lyman Street Bridge	weekend	weekend	weekend	2.2
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	2.6
1/22/2006	320	Downstream of Lyman Street Bridge	weekend	weekend	weekend	1.4
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	2.1
1/23/2006	368	Downstream of Lyman Street Bridge	0.6	1.5	1.1	1.0
		Downstream of Holmes Road Bridge	2.7	0.9	1.8	1.8

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Reading 1	Reading 2	Average	
1/24/2006	239	Downstream of Lyman Street Bridge	2.5	0.6	1.6	1.6
		Downstream of Holmes Road Bridge	1.4	2.9	2.2	2.3
1/25/2006	213	Downstream of Lyman Street Bridge	0.8	0.6	0.7	1.6
		Downstream of Holmes Road Bridge	1.3	1.9	1.6	2.5
1/26/2006	198	Downstream of Lyman Street Bridge	1.1	0.9	1.0	1.3
		Downstream of Holmes Road Bridge	1.5	1.6	1.6	2.2
1/27/2006	188	Downstream of Lyman Street Bridge	0.3	0.9	0.6	0.7
		Downstream of Holmes Road Bridge	1.1	1.2	1.2	1.6
1/28/2006	192	Downstream of Lyman Street Bridge	weekend	weekend	weekend	1.0
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	1.8
1/29/2006	200	Downstream of Lyman Street Bridge	weekend	weekend	weekend	1.5
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	2.2
1/30/2006	246	Downstream of Lyman Street Bridge	1.6	1.1	1.4	2.4
		Downstream of Holmes Road Bridge	2.4	1.1	1.8	2.9
1/31/2006	254	Downstream of Lyman Street Bridge	0.6	1.2	0.9	1.9
		Downstream of Holmes Road Bridge	1.4	3.4	2.4	2.7

Notes:

**Turbidity Action Level - Average Downstream (Pomeroy Avenue)  $\geq$  Average Downstream**

**(Lyman Street) + 50 ntu**

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

--- - No readings due to technical errors

\*\* - Not deployed - minimal site work performed

Monitoring was discontinued on 12/15/05 for the Holiday Shutdown. Construction activities resumed on January 9, 2006.

**Table 9- Summary of Turbidity, PCB, and TSS Water Column Monitoring Results  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (°C)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			Read 1	Read 2	Daily Average					
Upstream of Newell St. Bridge	12/07/05	178	NS	NS	NS	NS	H0-SW000054-0-5D07	NS	NS	NS
Downstream of Lyman St. Bridge	12/07/05	178	4.6	4.1	4.4	1.9	H2-SW000055-0-5D07	ND(0.013)	ND(0.013)	3.8
Downstream of Holmes Rd. Bridge	12/07/05	178	5.2	8.1	6.7	2.2	H2-SW000006-0-5D07	0.031	ND(0.013)	4.2
Downstream of Holmes Rd. Bridge (duplicate)	12/07/05	178	5.2	8.1	6.7	2.2	H2-SW000006-1-5D07	0.030	NS	NS
Upstream of Newell St. Bridge	01/11/06	112	NS	NS	NS	NS	H0-SW000054-0-6J11	NS	NS	NS
Downstream of Lyman St. Bridge	01/11/06	112	0.9	0.7	0.8	2.0	H2-SW000055-0-6J11	ND(0.013)	ND(0.013)	2.3
Downstream of Holmes Rd. Bridge	01/11/06	112	2.1	1.5	1.8	2.5	H3-SW000006-0-6J11	0.030	ND(0.013)	3.1
Downstream of Holmes Rd. Bridge (duplicate)	01/11/06	112	2.1	1.5	1.8	2.5	H3-SW000006-1-6J11	NS	ND(0.013)	NS
Upstream of Newell St. Bridge	01/25/06	213	NS	NS	NS	NS	H0-SW000054-0-6J25	ND(0.013)	ND(0.013)	5.4
Downstream of Lyman St. Bridge	01/25/06	213	0.8	0.6	0.7	1.6	H2-SW000055-0-6J25	ND(0.013)	ND(0.013)	4.7
Downstream of Holmes Rd. Bridge	01/25/06	213	1.3	1.9	1.6	2.5	H3-SW000006-0-6J25	0.032	ND(0.013)	4.8

Notes:

**PCB Action Level - Downstream (Pomeroy Avenue)  $\geq$  Downstream (Lyman Street) + 5 ug/L**

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

cfs - Cubic feet per second

ntu - nephelometric turbidity units

NS - Not Sampled

NR - Not yet reported

Temperature measured YSI 600 oms system.

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Water column samples were collected as 4 grab composite samples.



**Table 10 - PCB Air Sampling Results  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in  $\mu\text{g}/\text{m}^3$ )

Sample ID	Location (1)	Date Collected	Aroclor 1016, 1232 & 1242	Aroclor 1221	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000051-0-6J14	AR000051	14-Jan-06	ND(0.000292)	ND(0.000380)	ND(0.000496)	<b>0.001139</b>	<b>0.000467</b>	<b>0.001606</b>
H2-AR000051-1-6J14 (duplicate)	AR000051	14-Jan-06	ND(0.000293)	ND(0.000381)	ND(0.000498)	<b>0.001172</b>	<b>0.000820</b>	<b>0.001992</b>
H2-AR000054-0-6J14	AR000054	14-Jan-06	ND(0.000307)	ND(0.000400)	ND(0.000522)	<b>0.001229</b>	<b>0.000492</b>	<b>0.001721</b>
H2-AR000055-0-6J14	AR000055	14-Jan-06	ND(0.000289)	ND(0.000376)	ND(0.000492)	<b>0.001186</b>	<b>0.000434</b>	<b>0.001620</b>

Notes:

**Notification Level:  $0.05\mu\text{g}/\text{m}^3$**

**Action Level:  $0.1\mu\text{g}/\text{m}^3$**

1- See Figure 1 for locations

**Table 11 - Equipment Confirmatory Wipe Samples  
January 2006 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in  $\mu\text{g}/100 \text{ cm}^2$ )

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000261-0-6J11	11-Jan-06	ND(0.25)	ND(0.25)	<b>0.45</b>	<b>0.45</b>
H2-XI000262-0-6J11	11-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000263-0-6J11	11-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000264-0-6J11	11-Jan-06	ND(0.25)	ND(0.25)	<b>0.27</b>	<b>0.27</b>
H2-XI000265-0-6J16	16-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000266-0-6J16	16-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000267-0-6J16	16-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000268-0-6J16	16-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000269-0-6J16	16-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000270-0-6J16	16-Jan-06	ND(0.25)	<b>1.8</b>	<b>0.38</b>	<b>2.2</b>
H2-XI000271-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000272-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000273-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000274-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000275-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000276-0-6J24	24-Jan-06	ND(0.25)	<b>0.70</b>	ND(0.25)	<b>0.70</b>
H2-XI000277-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000278-0-6J24	24-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000279-0-6J24	24-Jan-06	ND(0.25)	<b>0.46</b>	ND(0.25)	<b>0.46</b>
H2-XI000280-0-6J24	24-Jan-06	ND(0.25)	<b>1.8</b>	<b>1.3</b>	<b>3.1</b>
H2-XI000281-0-6J27	27-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000282-0-6J27	27-Jan-06	ND(0.25)	<b>1.1</b>	<b>0.45</b>	<b>1.6</b>
H2-XI000283-0-6J27	27-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000284-0-6J27	27-Jan-06	ND(0.25)	<b>0.91</b>	ND(0.25)	<b>0.91</b>
H2-XI000285-0-6J27	27-Jan-06	ND(0.25)	<b>1.0</b>	ND(0.25)	<b>1.0</b>
H2-XI000286-0-6J27	27-Jan-06	ND(0.25)	<b>0.80</b>	ND(0.25)	<b>0.80</b>
H2-XI000287-0-6J27	27-Jan-06	ND(0.25)	<b>0.35</b>	ND(0.25)	<b>0.35</b>
H2-XI000288-0-6J27	27-Jan-06	ND(0.25)	<b>0.45</b>	<b>0.43 J</b>	<b>0.88 J</b>
H2-XI000289-0-6J27	27-Jan-06	ND(0.25)	<b>0.78</b>	ND(0.25)	<b>0.78</b>
H2-XI000290-0-6J27	27-Jan-06	ND(0.25)	<b>0.48</b>	ND(0.25)	<b>0.48</b>
H2-XI000291-0-6J27	27-Jan-06	ND(0.25)	<b>0.51</b>	ND(0.25)	<b>0.51 J</b>
H2-XI000292-0-6J27	27-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000293-0-6J27	27-Jan-06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000294-0-6J27	27-Jan-06	ND(0.25)	<b>0.92 J</b>	ND(0.25)	<b>0.92 J</b>
H2-XI000295-0-6J27	27-Jan-06	ND(0.25)	<b>0.40 J</b>	ND(0.25)	<b>0.40 J</b>
H2-XI000296-0-6J27	27-Jan-06	ND(0.25)	<b>1.2</b>	<b>0.31</b>	<b>1.5</b>

Notes:

**PCB Action Level -  $10.0 \mu\text{g}/100 \text{ cm}^2$**

ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

J - Indicates an estimated value

**Table 12 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results**  
**January 2006 Monthly Report**  
**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action**  
**Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000319-0-6J17	H2-OT000320-0-6J17	H2-OT000320-1-6J17	H2-OT000321-0-6J20	H2-OT000322-0-6J27	H2-OT000323-0-6J27
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization (duplicate)	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	1/17/2006	1/17/2006	1/17/2006	1/20/2006	1/27/2006	1/27/2006
Stockpile Location	Area 64C north	Area 64D south	Area 64D south	Area 64B south	Area 64C south	Area 64D south
Analyte						
<b>PCBS</b>						
AROCLOR-1248	0.78 J	ND	ND	ND	0.46	ND
AROCLOR-1254	2.5	1.2	1.5	0.3	0.93	1.2
AROCLOR-1260	8.8	4.1	5.1	0.73	2.9	6.9
PCB, TOTAL	12.0	5.3	6.6	1.0	4.3	8.1
<b>INORGANICS</b>						
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	90.3%	90.0%	89.9%	82.0%	85.9%	86.1%

Notes:

Only detected constituents are summarized

J - Indicates an estimated value



**Photograph 1 –Installation of Erosion Prevention Controls in Cell 39**



**Photograph 2 – Cells 39 and 42 Flooded**



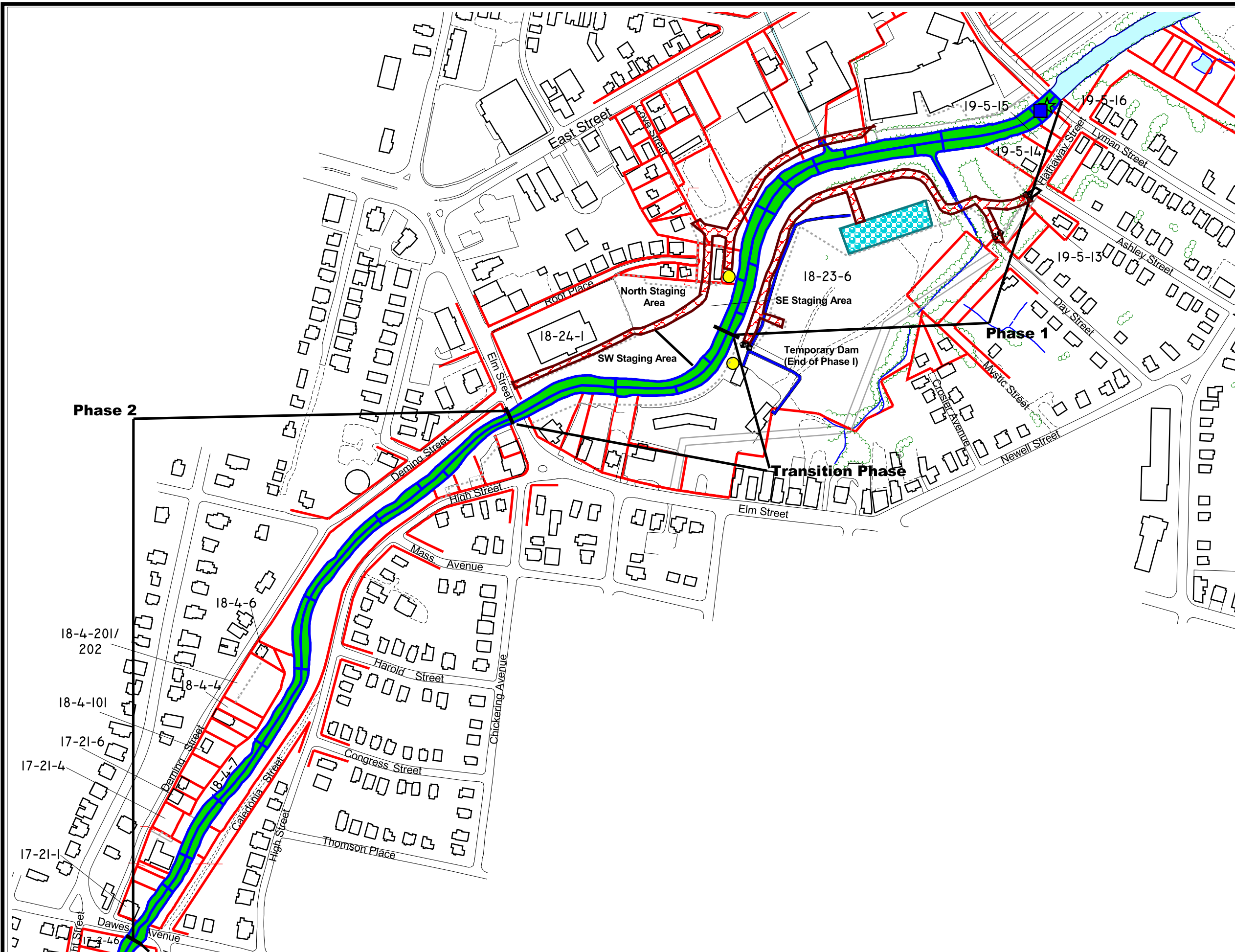


**Photograph 3 –Installation of the Centerline Sheetpile Wall under the Power Lines**



**Photograph 4 – Cell 39/42 Excavated; Backfill Ramp Construction**





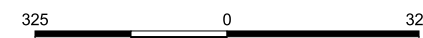
# LEGEND

- Roads
- Surface Water
- Water Treatment Plant\*
- Access Roads
- Asphalt Access Road
- Property Lines
- Loadout Area
- Site Security Fence Line
- Work Completed
- Turbidity Monitoring Locations
- Vibration Monitoring Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line\*

\*Note: As-built features were located using a real time GPS unit



Scale in Feet



**Figure 1**  
**1.5 Mile Removal Action**  
**Site Map (Map 1 of 2)**  
**January 2006 Monthly Report**

